

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Peter Malcolm Moran and  
Adrian Paul Burden

Appln. No.: 10/625,235

Filing Date: July 22, 2003

For: *A Method of Identifying an Object  
And a Tag Carrying Identification  
Information*

Art Unit: 2439

Examiner: Homayounmehr, Farid

Atty. Docket: VJP-1080-US

Confirm. No.: 8617

AMENDED APPEAL BRIEF

Commissioner for Patents  
Mail Stop Appeal Brief  
P.O. Box 1450  
Alexandria VA 22313-1450

Sir:

In response to the Notice of Non-Compliant Appeal Brief mailed May 7, 2010,  
Applicants submit the following Appeal Brief.

The comments of Ms. Joyce Gunter-Riley provided to Applicant's attorney in the telephone call of May 14, 2010 are greatly appreciated, and were carefully taken into account in preparing the attached substitute Summary. In compliance with MPEP 1205.03 only the Summary section is re-submitted.

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CERTIFICATE OF TRANSMITTAL UNDER 37 C.F.R. 1.8

I hereby certify that this paper (along with anything referred to as being attached or enclosed) is being electronically filed via EFS-Web at the United States Patent and Trademark Office, on the date shown below.

28 May 2010  
\_\_\_\_\_  
Date of Deposit

/Kristen Lemme/  
Kristen Lemme

## Summary of Claimed Subject Matter

Claim 1 recites a method of identifying an object having identification information (specification, p. 4, lines 31-32). The identification information is used to verify the identity of the object (p. 4, line 32 – p. 5, line 1). The method involves determining at least one characteristic of a magnetic field of at least a portion of a tag, thereby obtaining a first specific magnetic signal (p. 5, lines 2-5). The tag comprises a host material having a disordered plurality of pores on a surface thereof (p. 5, lines 5-6; p. 11, lines 25-26). The host material is at least substantially non-magnetic (p. 5, line 6). The tag also comprises a magnetic material positioned within at least some of the disordered plurality of pores after formation of said pores (p. 5, line 6-7; p. 11, lines 25-26). The specific magnetic signal providing identification information for the object represents the disorder of the plurality of pores (p. 5, lines 5-10; p. 8, lines 10-16). The method also involves storing signal information relating to said first specific magnetic signal, said stored signal information forming the identification information of the object (p. 5, lines 8-10).

Claim 23 recites a method of producing a system for object identification (p. 5, lines 28-29). The method involves determining at least one characteristic of the magnetic field of at least a portion of a tag, thereby obtaining a first specific magnetic signal (p. 5, line 31 – p. 6, line 1). The tag comprises a host material having a disordered plurality of pores on a surface thereof (p. 6, lines 1-3; p. 11, lines 25-26). The host material is at least substantially non-magnetic (p. 6, line 2). The tag also comprises a magnetic material positioned within at least some of the disordered plurality of pores after formation of said pores (p. 6, line 1-3; p. 11, lines 25-26). The specific magnetic signal providing identification information for the object represents the disorder of the plurality of pores (p. 5, lines 5-10; p. 8, lines 10-16). The method also involves storing signal information relating to said first specific magnetic signal, said stored signal information forming the identification information of an object to be identified (p. 6, lines 4-6).

Claim 25 recites a tag carrying identification information (p. 6, lines 22-23). The identification information is used to verify an object's identity (p. 6, line 23-24). The tag comprises a host material having a disordered plurality of pores on a surface thereof (p. 6, lines

24-25; p. 11, lines 25-26). The host material is at least substantially non-magnetic (p. 6, line 25). The tag also has a magnetic material positioned within at least some of the disordered plurality of pores after formation of said pores (p. 6, lines 25-26; p. 11, lines 25-26). The identification information for the object is a magnetic signal representing the disorder of the plurality of pores (p. 5, lines 5-10; p. 8, lines 10-16). The tag also has at least one coating layer covering at least partially a surface of the host material (p. 6, lines 24-28).

Claim 29 recites an object having a tag carrying identification information (p. 7, lines 5-6). The identification information is used to verify the object's identity (p. 7, lines 6-8). The tag has a host material having a disordered plurality of pores on a surface thereof (p. 7, lines 8-9; p. 11, lines 25-26). The host material is at least substantially non-magnetic (p. 7, lines 8-9). The tag also has a magnetic material positioned within at least some of the disordered plurality of pores after formation of said pores (p. 7, lines 9-10; p. 11, lines 25-26). The identification information for the object is a magnetic signal representing the disorder of the plurality of pores (p. 5, lines 5-10; p. 8, lines 10-16). The tag also has at least one coating layer covering at least partially a surface of the host material (p. 7, lines 10-12).

Claim 31 recites a system for object identification (p. 7, lines 21-22). The system has a tag carrying identification information (p. 7, lines 22-23). The identification information is used to verify an object's identity (p. 7, lines 23-24). The tag comprises a host material having a disordered plurality of pores on a surface thereof (p. 7, lines 24-26; p. 11, lines 25-26). The host material is at least substantially non magnetic (p. 7, line 25). The tag also has a magnetic material positioned within at least some of the disordered plurality of pores after formation of said pores (p. 7, line 26-27; p. 11, lines 25-26). The identification information for the object is a magnetic signal representing the disorder of the plurality of pores (p. 5, lines 5-10; p. 8, lines 10-16). The system also involves a data storage medium for storing data corresponding to a magnetic signal obtained from at least a portion of the tag (p. 7, lines 30-32).

**Closing**

In view of the above the Applicant respectfully requests entry of the Appeal Brief, and that the rejections be reversed and that the claims be passed to allowance.

Respectfully submitted

28 May 2010  
Date

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